

The University of Oklahoma in Norman, Oklahoma, is seeking a recent Ph.D. graduate interested in applying data assimilation techniques to improve global ecosystem models. This post-doctoral associate will apply Markov Chain Monte Carlo (MCMC) techniques to optimize model parameters in the Community Land Model (CLM) so that the resulting model output more closely agrees with observational data, including ecological observations, eddy covariance data and data from greenhouse gas observing satellites—particularly total column carbon dioxide. This researcher will be an employee of the University of Oklahoma and will work closely with Sean Crowell, Yiqi Luo and Berrien Moore. The maximum term of this appointment is 24 months.

Applicants must have a Ph.D. in atmospheric sciences, ecology, or a related field. Ideal candidates will have the many of the following attributes:

- experience in working with Earth System Models or other large-scale terrestrial-atmosphere models;
- experience in working with data assimilation techniques;
- advanced programming skills in Fortran (Python is a plus);
- excellent verbal and written communication skills;

The salary will be competitive and commensurate with experience. It is hoped that the candidate could in the late summer of 2015, but other start dates can be considered. Applicants are asked to submit vitae, a statement of research experience and interests, and names and contact information of at least 3 academic references to Dr. Sean Crowell, College of Atmospheric and Geographic Sciences, 120 David L. Boren Blvd., Norman, OK, 73072. For further information about the position, please contact Dr. Sean Crowell at scrowell@ou.edu or Dr. Yiqi Luo at ylo@ou.edu.

The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.